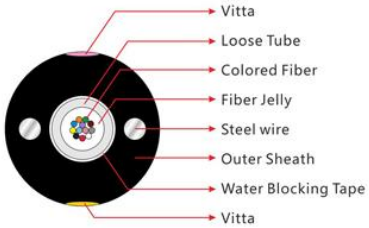
The BC25GYXY series cable is made of multiple (1 – 12 cores) 250 μm colored optical fibers. They are positioned in a loose tube made of a high modulus plastic, the tubes are filled with a water resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. Two parallel steel wires are placed at the two sides. The cable is completed with a polyethylene (PE) sheath.



Main Features

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Two parallel steel wires ensure tensile strength
- PE sheath protects cable from ultraviolet radiation
- Small diameter, light weight and friendly installation
- Long delivery length
- Complies with Standard YD/T 769-2003

Application

- Data Communication
- Installation: Riser, Plenum, inter-layer, pipe & trunking
- Located in where waterproof isn't strictly required
- Patch cord, Pigtail & Indoor distribution

Specification

Optical Characteristics		G.652	G.655	50/125 μm	62.5/125 μm
Attenuation	@850nm			≤3.0dB/km	≤3.0dB/km
	@1300nm			≤1.0dB/km	≤1.0dB/km
	@1310nm	≤0.36dB/km	≤0.40dB/km		
	@1550nm	≤0.22dB/km	≤0.23dB/km		
Bandwidth	@850nm			≥500MHz • km	≥200MHz • km
	@1300nm			≥1000MHz • km	≥600MHz • km
Numerical Aperture				0.200±0.015	0.275±0.015
Cutoff Wavelength		≤1260nm	≤1480nm		

Fiber count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (Long /Short Term N)	Crush Resistance (Long/Short Term N/100mm)	Bending Radius (Static/Dynamic mm)
2～12	9.5	90	600/1500	300/1000	10/20
14～24	10.2	100	1000/3000	1000/3000	10/20
Storage Temperature			-40℃～ + 60℃		
Operating Temperature			-40℃～ + 60℃		